Eurosoft
computer reliability solutions

QA+Win™

How do PC repair and service teams confidently test and identify hardware faults... regardless of experience?

• By using Windows®-based tests to manage the continual updating of software-driven hardware
• Diagnostics work precisely with Windows to test hardware in its intended operating system environment.
• Ideal for all hardware that requires Windows drivers to function.
• By applying 25 years testing experience contained in a Eurosoft box
• With bundling options remotely coaching inexperienced end users through the simple QA+Win™ testing experience

Easy to Use – even by end users
• Comprehensive Help file defines faults and possible solutions
• Choose Scripted or Manually selected test modules.

Maximize profits by reducing hardware return costs
• Reduce assembly, upgrade, and repair test workloads
• Reduce returns and repairs
• Reduce support calls

Control and contain errors
• Increase your profitability by improving PC reliability during system manufacturing, integration, upgrading and servicing
• Reveal hard-to-find intermittent errors
• Increase service reliability

Variable test options
• Use Windows XP SP3/Vista/8/7/Server 2003 and Server 2008 RC2, WinPE- **32bit and 64bit editions**
• Use Windows® Preinstallation Environment (PE) with Microsoft OEM license
• Standalone or bundle diagnostics
• Flexible diagnostic module control
• Fault and hardware asset testing

Validate PCs at any lifecycle point with QA+Win™
• Multi-cycle and duration burn-in
• Latest CPU support, including AMD, Intel, and compatibles
• Test Result Logging: File (PDF and/or XML)
• Stress test
• Enumerated, modular test loading
• Biometric devices
• Capture device testing such as web cams
• Installed software

Fully network-able with Site license
• Network drive logging for connectivity
• Network distribution of test result files

Optional hardware accessories…
• Allows testing of USB ports, CD/DVD drives, and audio
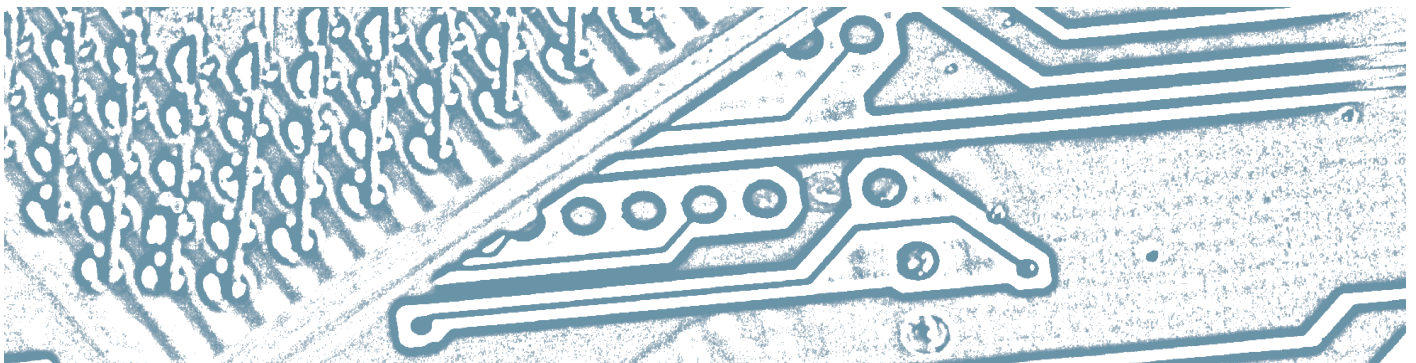
Control test time and process
All parameters and tests can be set and/or launched manually from the interface...or scripted for even tighter control, versatility of test parameters, and coverage. Save and re-run custom test scripts for extreme consistency. Full test documentation is conveniently integrated.

Verify the presence of nearly any component.
QA+Win gathers information on all the devices present in the system using the Diagnostic groups. This information is viewable within the main interface and is output in any PDF reports...allowing you to verify exactly what devices are installed.
Confirm and record properties of the hardware – including but not limited to...
• BIOS information – date, version, and more
• Hard Drive – model number, serial number, capacity, and more
• Memory – type, speed, size, manufacturer, and more
• Sensors – speed, temperature, and more
• Video – model number, memory, vender name, and more
And that's only a few...

Call a Eurosoft consultant today to discuss your testing goals...

Europe: +44 (0)1202 297 315   **North America: 888-980-9595**

Validate high reliability and flush out elusive intermittent errors.
Customize your System Stress Test to run for several minutes, several hours, or several days. The Duration parameter lets you stress a system for any required duration.

Flexible licensing options perfectly fit your costs and needs.
QA+Win™ offers standalone, bundle diagnostics or site licenses that are fully compatible with Windows XP/ Vista/8/7/Server 2003 and Server 2008 32bit and 64bit editions and Windows PE. Whether you are running 1 or 100+ stations, flexible diagnostic control gives you full command over your entire testing operation. Take advantage of Windows Remote Desktop capabilities

Maximize your operational efficiency to increase your ROI.
Take full advantage of your existing or future network infrastructure by leveraging network distribution capabilities available with the Site License. Logging test results to your network makes them available to all networked users.

Increase throughput by reducing human errors.
Save all your script customizations for use across your entire operation to gain maximum consistency. Leverage auto-script launch options to ensure the same test scripts are executed each time QA+Win™ is started.

Validate process failures for vendor compliance.
Optional test reports can be printed and saved directly from the interface. Streamline your returns process by including test reports to meet proof-of-failure requirements.

Increase process speed with customizable start-up options.
Customize to reduce application overhead and increase program start-up speed with optional command line functions.

QA+Win can be customised in many different ways to allow for a more personalised testing experience. The following can be changed:

•PDF report style
•PDF report header
•Interface layout
•Home page - Virtual QA+Win
•Title page - Virtual QA+Win
•Full language customisation

Optional hardware accessories increase test coverage.
Use loop backs and USB port plugs to verify the correct installation of front panel connections by performing USB, Optical Drive, and Audio tests. This definitive method of validating correct port connection lets you catch assembly errors electronically.

Test ALL PC-related hardware.
QA+Win™ supports all the latest CPUs...AMD, Intel and compatibles...both 32-bit and 64-bit. Diagnostic modules are included for all major hardware – hard drives, video, audio, CPU, network interfaces, USB, optical drives, write-able optical drives, keyboards, memory, modems, motherboards, pointer devices, serial, and parallel ports.

Also included are test modules for file version control, notebook batteries, and removable media – SD and Compact Flash cards, and sensors.

Fully Customizable Interface.
Docking controls let you customize and save the arrangement of the interface to enhance your test process.

Translation
QA+Win has full translation support to allow the interface and documentation to be used in any written language. These translations are stored as a Language Pack containing XML files with all the translated strings and the translated PDF documents for the User Manual and Test Descriptions document. The language pack to be loaded and used is controlled by the license. As well as English, the Diagnostics have been translated into Brazilian, Chinese and Turkish.

Home Page
The Home Page feature allows a selection of Test Scripts and Web Pages to be available in a table within the application. This allows test scripts to be accessed and run at the click of a button by the end user.

Title Page
The Title Page feature allows a web page to be loaded and shown within a Pane within the application. This is ideal for a customer wishing to highlight their own product or brand. The instructions to set up a Title Page can be found in the QA+Win User Manual.

Test Error Codes
When a test fails within QA+Win, an Error Code and optional Extra Information will be shown on the Results Pane and will also be logged in the Results XML report. The Error Code can then be clicked on within the interface and the relevant Error information and troubleshooting is linked to the Test Description document and will be shown.

CompTIA
QA+Win also supports CompTIA codes that can be set by the operator after a test has completed. Once a CompTIA code has been entered, the code will appear in any PDF reports associated with the test result.
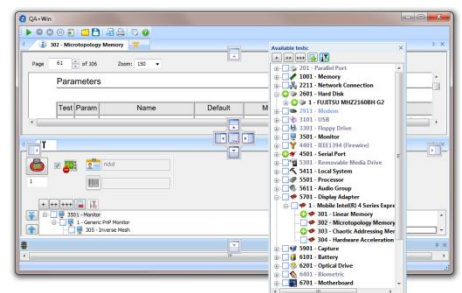
Built on the long standing Eurosoft diagnostic suite containing the most comprehensive industry leading diagnostic solutions...QA+Win™ lets you…
• Identify hardware faults from software issues...before you ship
• Validate PCs at any lifecycle point
• Increase your profits by reducing system repairs and returns
• Manage your cash flow with various licenses
• Decrease your support costs with the support bundling license
• See immediate ROI...

Please see the Eurosoft Product Test Table for specific hardware test coverage.

QA+Win™ Package
• Program CDROM
• Comprehensive online manual
• USB Preferred Port Plug (1 per license)
• Loop-back Plugs (1 set per license)
• Audio Test Cable (1 three-way)
• Test multiple systems simultaneously with a Site license
• One year free Upgrade Subscription
• Free Technical Support

Diagnostic coverage for all major hardware groups in Windows and WinPE*

Audio
Soundplay
Audio Connection
Loopback Count
Advanced Quality

Battery
Charge
Discharge
Voltage
Stress

Biometric Devices
Get Passport Properties
Create and Get Data

Video Capture
Capture Driver
S Video Capture Driver
Composite Capture Driver
TV Capture Driver
RGB Capture Driver
Capture
Composite Capture
S-Video Capture
TV Capture
RGB Capture

System
System Stress
Sleep Test
Hibernate Test

Optical Drive
Linear Read
Random Read
Advanced Movement
Media Erase
Directory Write
ISO Image Write
Media Eject

CPU
Core Instruction Set
MMX Instruction Set
SSE Instruction Set
SSE 2 Instruction Set
SSE 3 Instruction Set
SSE 4.1 Instruction Set
SSE 4.2 Instruction Set
SSE 4A Instruction Set
Floating Point Instruction Set
Multiple Threads
Multiple Cores
Multiple Processors

Operating System
File Details

Hard Drive
Butterfly Seek
Linear Read
Random Read
S.M.A.R.T. Status
Imminent Failure
Extended Butterfly
Extended Linear Read
Extended Random Read

Input Periperals
Advanced Keyboard
Keyboard
Quick Mouse
Mouse Button
Movement
Quick Keyboard

Parallel Port
Data Port
External Loopback

RAID
Linear Read

Firewire
IEEE1394 (Firewire)

Memory
Pseudo Random Data
Walking Bit Left/Right
Inverse Walking Bit Left/Right
Checkerboard
Bit Stuck High
Bit Stuck Low
Pseudo Random Access
Quick
Microtopology
Test Greater than 4GB

System Board
Northbridge
Southbridge
CMOS Clock
CMOS Checksum
CMOS Battery

Monitor
Red Purity
Green Purity
Blue Purity
Mesh
Inverse Mesh
White MEME
Green MEME
Tonality
Grid
LECD Dead Pixel Test

Network Interface
Configuration
IPv4 Connection

Floppy Drive
Butterfly Seek
Linear Read
Read/Write
Media Change
Write Protect

Removable Media
Linear Read
Random Read

Sensors
System Temperature
CPU Temperature
CPU Core Temperatures
CPU Fan
System Fan
+12 Volts Rail
-12 Volts Rail
+5 Volts Rail
-5 Volts Rail
+3.3 Volts Rail
-3.3 Volts Rail

Serial Port
Configuration Registers
Quick Loop Back
Baud Rates
Sustained Loop Back
Priority Transmit

Solid State Drives
Linear Read
Random Read
S.M.A.R.T.

USB
Detected Devices
(External Diagnostic Device)

Video
Linear Memory Test
Microtopology Memory
Chaotic Memory Addressing
Hardware Acceleration

Touch Screen
Quick Grid
Advanced Line
Pointing Accuracy

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* Nearly all of our Windows diagnostics are compatible with WinPE
Tests that are highlighted in blue are not compatible with WinPE

Supported Operating Systems
Windows XP SP3
Windows Server 2003
Windows Vista
Windows Server 2008 R2
Windows 7
Windows 8
WinPE

Note:
The following test groups require full Windows environment.
- **Video***
- **Biometric Devices**
- **Capture Card****
- **Network Interface tests for wireless network interfaces**

*Linear Memory Test available in WinPE
**Generic Capture Driver Test available in WinPE

QA+WIN®
Windows based diagnostic software

Available test accessories help you find cabling and configuration errors faster.

Extend and enhance your test procedures with Eurosoft's proven PC Diagnostic Programs and unique test accessory hardware. Each computer testing accessory is developed to work specifically with Eurosoft's test programs providing you with independent and reliable test results of peripheral ports and media devices.

Eurosoft PC Test Accessories include: USB Preferred Port Plugs™, Serial & Parallel Loop-back Plugs, Audio Test Cables, DVD Test Discs™, CDROM Test Discs™ and Status Indicator Boxes™. Stand-alone accessories include the Preferred POST Board™ PCI/ISA.

Eurosoft PC Test Accessories

• PC Diagnostic Test Accessories complement and extend the test and diagnostics provided by current software solutions

• PC Diagnostic Test Accessories fully support the entire PC diagnostic, test and assessment program

• PC Diagnostic Test Accessories validate Serial, Parallel, Audio and USB ports

• PC Diagnostic Test Accessories confirm CD-ROM and DVD Drive operations

• PC Diagnostic Test Accessories compare BIOS/POST results

• PC Diagnostic Test Accessories are designed to universally support the Eurosoft diagnostic software for enhanced peripheral testing

Need more test coverage?

Also consider adding Eurosoft Pc-Check® Self-Booting Diagnostic Software for testing outside the operating system

Pc-Check reduces assembly, upgrade and repair test workloads

Pc-Check ensures reliably tested and validated PCs

Pc-Check thoroughly tests core components independent of operating system (including memory, motherboard, CPU and hard drive)

Pc-Check provides expert core testing to exercise the entire system's components

Pc-Check reduces costly returns, RMAs and repairs by quickly and accurately determining hardware faults

Pc-Check saves wasted man-hours of system building, servicing and repairs

Pc-Check ensures an independent test base to compare and validate vendor hardware information

Call a Eurosoft consultant today to discuss your testing goals...

Contact us for further information on QA+Win™ or any other Eurosoft product.

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Microsoft Partner
Silver Independent Software Vendor (ISV)

Compatible with Windows 7

Windows 8 Compatible

Version QAWDS.2013.1